

North Green Municipal Utility District

WATER DISTRIBUTION SYSTEM SUMMARY

October 2023

HGCSD Permit No. Pending	City of Houston GRP
Permit Period	01/01/2023 to 12/31/2023
Year to Date Pumpage	150,891,000
Monthly Pumpage	15,356,000
Cumulative Monthly Average 10 Months	15,089,100
Daily Average Pumpage	495,000
Water Accountability	Current Month 94.25% - YTD 99.97%
Water Bacteriology	Date Taken & Results of Analyses
Number of Samples: 3	10/12/23 No Coliforms Detected
Number of Samples: 3	10/23/23 No Coliforms Detected
Number of Special Sample:	
Comments: All Good.	

TCEQ MONTHLY REPORT
Water Works Operation for
Ground water Supplies

Send Reports To: TCEQ
P.O. Box 13087
Austin, TX 78711-3087

Name of system North Green MUD County Harris

Water System I.D. No. 101-0331 Month of: October 2023

Day of Month	Pumpage to Distribution System in Thousand Gals.				Disinfection		Corrosion Control	Other Treatment	Fluoride Residuals
	Direct from Wells	From Gnd. Storage	Purchased from Others	Total Pumpage	Entry Point	Dist. System			
1	643			643	1.5	1.4			
2	772			772	1.5	1.4			
3	363			363	1.4	1.4			
4	533			533	1.5	1.5			
5	514			514	1.3	1.2			
6	479			479	1.3	1.3			
7	454			454	1.3	1.2			
8	498			498	1.3	1.2			
9	551			551	1.3	1.1			
10	367			367	1.3	1.2			
11	493			493	1.3	1.3			
12	489			489	1.3	1.2			
13	473			473	1.3	1.2			
14	475			475	1.3	1.3			
15	460			460	1.3	1.3			
16	583			583	1.3	1.4			
17	579			579	1.2	1.1			
18	359			359	1.4	1.2			
19	612			612	1.2	1.2			
20	506			506	1.3	1.2			
21	345			345	0.8	1.1			
22	565			565	0.8	0.8			
23	467			467	1.1	1.3			
24	540			540	1.1	1.0			
25	477			477	1.3	1.3			
26	526			526	1.4	1.3			
27	367			367	1.4	1.2			
28	456			456	1.3	1.3			
29	442			442	1.4	1.2			
30	546			546	1.5	1.4			
31	422			422	1.4	1.4			
TOTAL:	15356			15356					
AVG.:	495			495	1.3	1.2			
MAX.:	772			772	1.5	1.5			
Min.:	345			345	0.8	0.8			

Calendar Year to Date	150,891	0	0	150,891
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0	# below	in disinfectant	0.2
0.0%	% below minimum	disinfectant	
0	# = 0	sample days	31
0.0%	% of 0s	# of samples	31.0

No. of active water services: 368 Total: 377 Chemical analysis: 12/6/2016
Dates and results of distribution bacteriological analysis: 10/12/23, 10/23/23
Dates and results of raw unchlorinated well water samples: _____
Reservoirs or tanks cleaned: as needed Dead ends flushed: 10/10/23, 10/11/23
General remarks: _____

Submitted by: David B. Rowe
2798, 2799, & President, Water District Management
well #: 3572

(18) Certificate no.: WO 0004001

North Green MUD

HGCSD Permit Period

Water Usage Summary

Reporting Period			Year to Date Jan. - Dec.
September 15	to	October 15 2023	
Water billed	metered - billed	14,257,000	144,014,000
Temporary Service	metered - billed		0
Water leaks	estimated		50,000
Stuck Meters	estimated		0
	estimated		0
GST overflow NOT PLANNED	estimated		0
GST emptied / fill PLANNED	estimated		0
Flushing	estimated	49,900	448,870
	estimated		0
Sewer jetting	estimated		6,100
No Bill Accounts	metered - not billed	6,000	28,000
WWTP	metered - not billed	303,000	5,873,000
	metered - not billed		0
Water to:	H.C MUD 96	576,000	576,000
Total water accounted for:		15,191,900	150,995,970
Water pumped:		16,118,000	151,036,000
Water from:			0
Accountability		94.25%	99.97%
Actual Billed vs. Pumped:		92.03%	95.73%

North Green Municipal Utility District

WASTEWATER TREATMENT PLANT MONTHLY OPERATING SUMMARY

October 2023

TPDES Permit No. WQ0012206-001		Permit Expires: 2-9-2028			
NPDES Permit No. 83381-001					
		Average		Maximum	Excursion
Flow:	Actual MGD	0.368		0.646	NO
	Permitted MGD	0.600	61%	0	
	Monthly Total	11.395	MG	Annual Average	0.369
CBOD₅:					
	Actual	7.7 lbs/day	2.4 Mg/L	3.4 Mg/L	NO
	Permitted	50.0 lbs/day	10.0 Mg/L	25.0 Mg/L	
TSS:					
	Actual	45.7 lbs/day	13.4 Mg/L	32.3 Mg/L	NO
	Permitted	75.0 lbs/day	15.0 Mg/L	40.0 Mg/L	
NH₃N					
	Actual	0.3 lbs/day	0.1 Mg/L	0.1 Mg/L	NO
Permitted Required Monitoring Only					
E.coli					
	Actual	14.0		4840.0	YES
	Permitted	63 MPN/100ml		200 MPN/100ml	
Cl₂ Residual:					
	Actual	Minimum		Maximum	
		1.9 Mg/L		3.9 Mg/L	NO
	Permitted	1.0 Mg/L		4.0 Mg/L	
Biosolids Management: None.					
Comments: E. Coli exceeded the permit limit.					

Collapse Header

Permit

Permit ID: TX0083381
Permittee: NORTH GREEN MUD
Facility: NORTH GREEN MUD WWTP
Permitted Feature: 001 - External Outfall

Major:
Permittee Address: 1301 MCKINNEY ST STE 5100
 HOUSTON, TX 77010
Facility Location: 16120 WEST HARDY RD
 HOUSTON, TX 77060
Discharge: A - DOMESTIC FACILITY - 001

Report Dates & Status

Monitoring Period: From 10/01/23 to 10/31/23
Status: **NetDMR Validation Errors**

DMR Due Date: 11/20/23

Principal Executive Officer


First Name:
Title:

Last Name:
Telephone:

No Data Indicator (NODI)

Form NODI:

Code	Parameter Name	NODI	Quantity or Loading			Quality or Concentration				# of Ex.	Freq. of Analysis	Smpl. Type	
			Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units				
00300	Oxygen, dissolved [DO]	Smpl.				= <input type="text" value="4.2"/>				mg/L <input type="text"/>	0	01/07 <input type="text"/>	GR <input type="text"/>
1 - Effluent Gross													
Season: 0		Req.				>= 4.0 Monthly Minimum				Milligrams per Liter		Weekly	GRAB
NODI: <input type="text"/>		NODI				<input type="text"/>							
00310	BOD, 5-day, 20 deg. C	Smpl.	= <input type="text" value="7.7"/>		lb/d <input type="text"/>		= <input type="text" value="2.4"/>	= <input type="text" value="3.4"/>		mg/L <input type="text"/>	0	01/07 <input type="text"/>	CP <input type="text"/>
1 - Effluent Gross													
Season: 0		Req.	<= 50.0 Daily Average		Pounds per Day		<= 10.0 Daily Average	<= 25.0 Daily Maximum		Milligrams per Liter		Weekly	COMPOS
NODI: <input type="text"/>		NODI	<input type="text"/>				<input type="text"/>	<input type="text"/>					
00400	pH	Smpl.				= <input type="text" value="6.6"/>		= <input type="text" value="7.0"/>		SU <input type="text"/>	0	01/07 <input type="text"/>	GR <input type="text"/>
1 - Effluent Gross													
Season: 0		Req.				>= 6.0 Minimum		<= 9.0 Maximum		Standard Units		Twice Per Month	GRAB
NODI: <input type="text"/>		NODI				<input type="text"/>		<input type="text"/>					
00530	Solids, total suspended	Smpl.	= <input type="text" value="45.7"/>		lb/d <input type="text"/>		= <input type="text" value="13.4"/>	= <input type="text" value="32.3"/>		mg/L <input type="text"/>	0	01/07 <input type="text"/>	CP <input type="text"/>
1 - Effluent Gross													
Season: 0		Req.	<= 75.0 Daily Average		Pounds per Day		<= 15.0 Daily Average	<= 40.0 Daily Maximum		Milligrams per Liter		Weekly	COMPOS
NODI: <input type="text"/>		NODI	<input type="text"/>				<input type="text"/>	<input type="text"/>					

Parameter		NODI	Quantity or Loading			Quality or Concentration						
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units	# of Ex.	Freq. of Analysis	Smpl. Type
00610	Nitrogen, ammonia total [as N]	Smpl.	= 0.3		lb/d	= 0.1	= 0.1		mg/L	0	01/07	CP
1 - Effluent Gross												
Season: 0		Req.	Req Mon Daily Average		Pounds per Day	Req Mon Daily Average	Req Mon Daily Maximum		Milligrams per Liter		Weekly	COMPOS
NODI:		NODI										
50050	Flow, in conduit or thru treatment plant	Smpl.	= 0.368	= 0.646	MGD					0	99/99	TM
1 - Effluent Gross												
Season: 0		Req.	<= 0.6 Daily Average	Req Mon Daily Maximum	Million Gallons per Day						Continuous	TOTALZ
NODI:		NODI										
50060	Chlorine, total residual	Smpl.				= 1.9	= 3.9		mg/L	0	01/01	GR
1 - Effluent Gross												
Season: 0		Req.				>= 1.0 Monthly Minimum	<= 4.0 Monthly Maximum		Milligrams per Liter		Daily	GRAB
NODI:		NODI										
	E. coli	Smpl.				= 14.0	= 4840.0		CFU/100mL	1	04/30	GR
1 - Effluent Gross												
Season: 0		Req.				<= 63.0 Daily Average	<= 200.0 Daily Maximum		Colony Forming Units per 100ml		Twice Per Month	GRAB
NODI:		NODI										

Edit Check Errors

Code	Name	Monitoring Location	Season ID	Field	Type	Description	Acknowledge
51040	E. coli	Effluent Gross	0	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	<input type="checkbox"/>

DMR Comments

FOR TOTAL KJELDAHL NITROGEN SEE OTHER REQUIREMENT SECTION, NO. 4 ON PAGE 34 OF THE PERMIT.

Comments

Attachments

No results.

Report Last Saved By

User: brian.eastex@yahoo.com
 Name: Brian Sewell
 E-Mail: brian.eastex@yahoo.com
 Date/Time: 11/08/23 12:51 CST



P.O. Box 1089 Coldspring, Texas 77331
 Website: eastexlabs.com
 Email: eastexlab@eastex.net
 Tel: 936 653 3249



Laboratory Analysis Report

Client: North Green MUD
 Water District Management
 P.O. Box 579
 Spring, TX 77383

**FINAL
 REPORT**

Project ID: North Green Effluent
 Report for: October, 2023
 Customer ID: C-NOR8
 Page 1 of 3

SAMPLING DATA	DATE COLLECTED	10/4/2023	10/4/2023	10/4/2023	10/11/2023	10/11/2023	10/18/2023
	DATE RECEIVED	10/4/2023	10/4/2023	10/4/2023	10/11/2023	10/11/2023	10/18/2023
	TIME COLLECTED	9:00	9:00	10:42	9:00	10:00	9:00
	SAMPLING POINT	Effluent	Effluent	Effluent Grab	Effluent	Effluent Grab	Effluent
	TYPE OF SAMPLE	Composite	Composite	Grab	Composite	Grab	Composite
	COLLECTED BY	WDM	WDM	TBB	WDM	TG	WDM
	SAMPLE NUMBER	C3J0857-01	C3J0859-01	C3J0858-01	C3J3043-01	C3J3044-01	C3J4875-01
FIELD DATA		10/4/2023	10/4/2023		10/11/2023		10/18/2023
		10:35	9:00		10:14		10:25
SM 4500 O G	DO (mg/L)	TBB 4.6	TBB 0.437		TBB 6.6		TBB 5.4
-	Flow (MGD)	0.437	0.437		0.362		0.362
SM 4500 H + B	pH (std unit)	6.9			6.6		7.0

ANALYSIS DATA

Ammonia as N mg/L *A	Results Analysis Date Analyst	<0.1 10/6/2023 14:11 SAC			<0.1 10/18/2023 11:10 SAC		<0.1 10/20/2023 15:30 SAC
CBOD 5 mg/L *A	Results Analysis Date Analyst	<2.0 10/5/2023 7:30 CNS			2.0 10/12/2023 7:30 NRJ		3.4 10/19/2023 8:00 TRH
E coli IDEXX mpn/100ml *A	Results Analysis Date Analyst			4840 10/4/2023 17:07 HIS		<2 10/11/2023 16:44 HIS	
Total Phosphorus mg/L *A	Results Analysis Date Analyst		0.897 10/16/2023 15:52 KJH				
TSS mg/L *A	Results Analysis Date Analyst	32.3 10/5/2023 14:13 LMF			7.7 10/12/2023 13:45 WLS		11.3 10/19/2023 13:12 WLS
TVSS mg/L *A	Results Analysis Date Analyst	18.0 10/6/2023 8:30 TDS					

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved



P.O. Box 1089 Coldspring, Texas 77331

Website: eastexlabs.com

Email: eastexlab@eastex.net

Tel: 936 653 3249



Laboratory Analysis Report

Client:	North Green MUD Water District Management P.O. Box 579 Spring, TX 77383	Project ID:	North Green Effluent
		Report for:	October, 2023
		Customer ID:	C-NOR8
			Page 2 of 3

SAMPLING DATA	DATE COLLECTED	10/18/2023	10/25/2023	10/25/2023	Method No.	
		DATE RECEIVED	10/25/2023	10/25/2023	Avg	Max #/Day
	TIME COLLECTED	10:20	9:00	9:55		
	SAMPLING POINT	Effluent Grab	Effluent	Effluent Grab		
	TYPE OF SAMPLE	Grab	Composite	Grab		
	COLLECTED BY	TG	WDM	TS		
	SAMPLE NUMBER	C3J5149-01	C3J6420-01	C3J6778-01		
FIELD DATA			10/25/2023			
SM 4500 O G	DO (mg/L)		10:05			
-	Flow (MGD)		TBB			
			4.2			
SM 4500 H + B	pH (std unit)		0.422			
			6.9			

ANALYSIS DATA

Ammonia as N mg/L *A	Results Analysis Date Analyst		<0.1 11/1/2023 16:53 TMH			SM 4500 NH3 G 0.100 0.1 0.330
CBOD 5 mg/L *A	Results Analysis Date Analyst		<2.0 10/26/2023 8:10 TRH			SM 5210 B 2.35 3.4 7.66
E coli IDEXX mpn/100ml *A	Results Analysis Date Analyst	<2 10/18/2023 16:58 DRB		<2 10/25/2023 16:51 HIS		Colilert 18 GeoMean 14
Total Phosphorus mg/L *A	Results Analysis Date Analyst					EPA 200.7 0.897 0.897 3.27
TSS mg/L *A	Results Analysis Date Analyst		2.2 10/26/2023 13:05 NRJ			SM 2540 D 13.4 32.3 45.7
TVSS mg/L *A	Results Analysis Date Analyst					EPA 160.4 18.0 18 65.6

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

North Green MUD

Annual Flow Calculation

October 2023

Month & Year	Monthly Flow
November 2022	11.123 MG
December 2022	11.378 MG
January 2023	11.153 MG
February 2023	10.015 MG
March 2023	10.158 MG
April 2023	11.102 MG
May 2023	12.779 MG
June 2023	11.169 MG
July 2023	11.930 MG
August 2023	11.448 MG
September 2023	10.902 MG
October 2023	11.395 MG
*12 Month Flow Total	134.552 MG
**Annual Daily Average	0.369 MG

*12 Month Flow Total - Represents the combined Monthly Flow for the 12 months as listed.

**Annual Daily Average - calculated daily average flow based on the preceding 12 Month Flow Total divided by 365 days.

FIN178 - Recap Report

Billing : 899 - 09/16/23 - 10/16/23 - October 2023

North Green MUD - 027

Billing was run on 10/26/23 03:40:21 PM

Report By: G/L Account

Description	Last Month Receivable	Adjustments	Applied Credits	Adjusted Receivable	Current Penalty	Returned Checks	Prior Pmt Distr.	Payment Distribution	Applied Deposits	Total Arrears	Current Billing	Ending Balance
Cofh GRP	\$76,891.21	(\$1,808.37)	\$0.00	\$75,082.84	\$0.00	\$0.00	(\$320.18)	(\$69,771.09)	\$0.00	\$4,991.57	\$40,341.65	\$45,333.22
Credit Refund	\$0.00	\$171.00	\$0.00	\$171.00	\$0.00	\$0.00	\$0.00		(\$171.00)	\$0.00	\$0.00	\$0.00
Deposits	\$0.00	\$2,300.00	\$0.00	\$2,300.00	\$0.00	\$0.00	\$0.00	(\$2,100.00)	\$0.00	\$200.00	\$0.00	\$200.00
Grease Trap Inspections	\$550.00	\$0.00	\$0.00	\$550.00	\$0.00	\$0.00	\$0.00	(\$425.00)	\$0.00	\$125.00	\$550.00	\$675.00
Inspections	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Miscellaneous	\$50.00	\$0.00	\$0.00	\$50.00	\$0.00	\$0.00	\$0.00	(\$50.00)	\$0.00	\$0.00	\$0.00	\$0.00
NSF	\$48.00	\$25.00	\$0.00	\$73.00	\$0.00	\$0.00	\$0.00	(\$25.00)	\$0.00	\$48.00	\$0.00	\$48.00
Penalty	\$2,581.71	\$0.00	\$0.00	\$2,581.71	\$769.85	\$0.00	\$0.00	(\$2,617.76)	\$0.00	\$733.80	\$0.00	\$733.80
Returned Checks	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sewer	\$28,859.66	(\$95.55)	\$0.00	\$28,764.11	\$0.00	\$0.00	(\$214.78)	(\$26,815.15)	(\$20.70)	\$1,713.48	\$16,523.96	\$18,237.44
Transfer Fee	\$0.00	\$100.00	\$0.00	\$100.00	\$0.00	\$0.00	\$0.00	(\$75.00)	\$0.00	\$25.00	\$0.00	\$25.00
TS&V	\$0.00	\$50,862.85	\$0.00	\$50,862.85	\$0.00	\$0.00	\$0.00	(\$50,862.85)	\$0.00	\$0.00	\$0.00	\$0.00
Water	\$94,244.23	(\$220.40)	\$0.00	\$94,023.83	\$0.00	\$0.00	(\$1,651.16)	(\$89,453.33)	(\$8.30)	\$2,911.04	\$53,478.41	\$56,389.45
TOTALS	\$203,224.81	\$51,334.53	\$0.00	\$254,559.34	\$769.85	\$0.00	(\$2,186.12)	(\$242,195.18)	(\$200.00)	\$10,747.89	\$110,894.02	\$121,641.91
OVER PAYMENTS	(\$3,794.76)			(\$3,794.76)		\$37.49	\$2,186.12	(\$1,930.82)	\$200.00	(\$3,301.97)		(\$3,301.97)
TOTAL RECEIVABLES	\$199,430.05	\$51,334.53	\$0.00	\$250,764.58	\$769.85	\$37.49	\$0.00	(\$244,126.00)	\$0.00	\$7,445.92	\$110,894.02	\$118,339.94

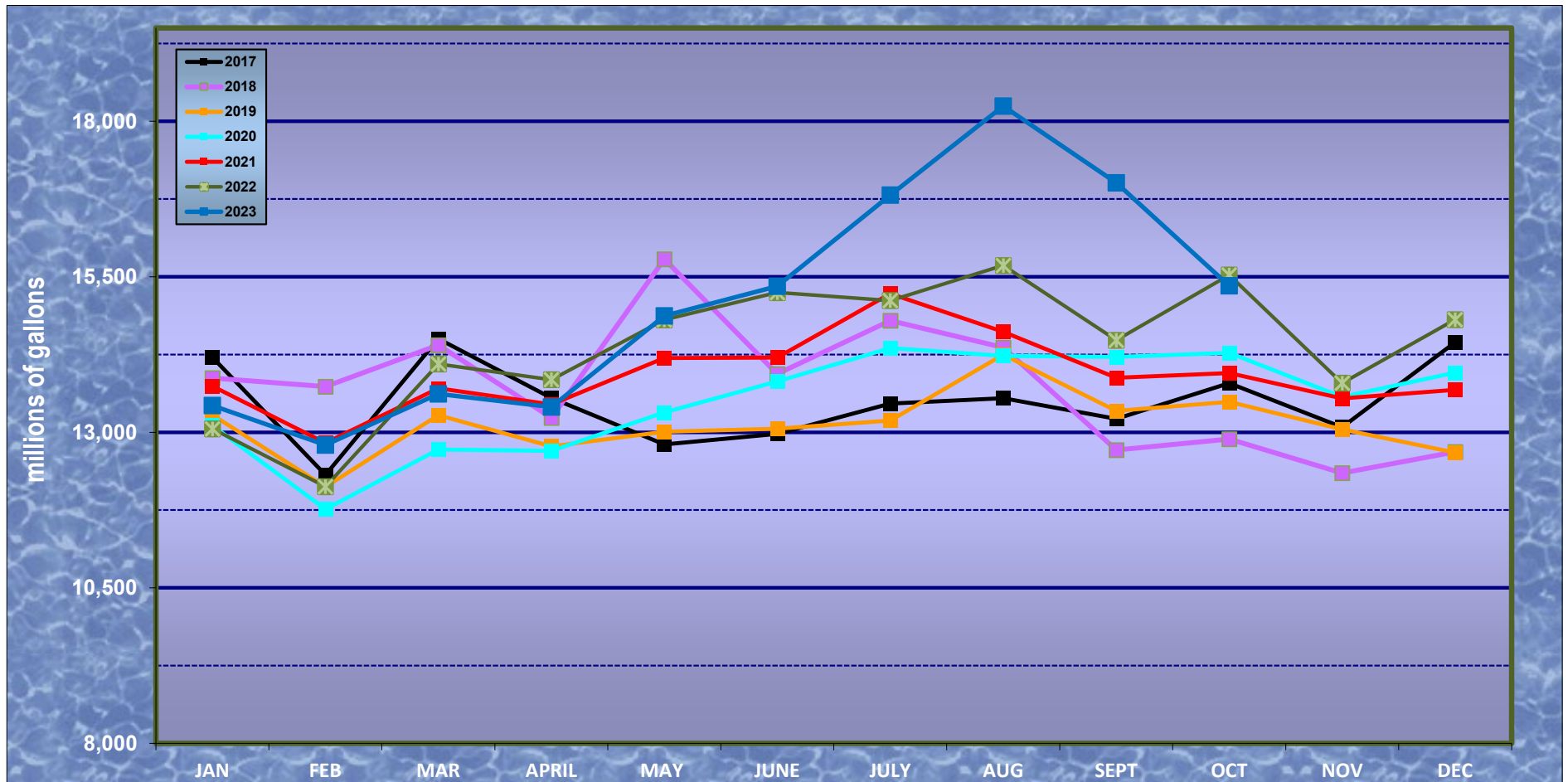
# AGED RECEIVABLES	0-30 days	31-60 days	61-90 days	91-120 days	121+ days	Unapplied Credits	TOTALS
1 Cofh GRP	\$3,672.13	\$1,264.46	\$54.98				\$4,991.57
2 Deposits	\$200.00						\$200.00
3 Grease Trap Inspections	\$125.00						\$125.00
4 NSF	\$48.00						\$48.00
5 Penalty	\$733.80						\$733.80
6 Sewer	\$1,222.53	\$490.95					\$1,713.48
7 Transfer Fee	\$25.00						\$25.00
8 Water	\$2,310.64	\$600.40					\$2,911.04
TOTALS	\$8,337.10	\$2,355.81	\$54.98				\$10,747.89
10 OVER PAYMENTS						(\$3,301.97)	(\$3,301.97)
TOTAL RECEIVABLES	\$8,337.10	\$2,355.81	\$54.98			(\$3,301.97)	\$7,445.92

	Last Month Balance	Deposit Adjustments	Applied Deposits	Paid Deposits	Ending Balance
Deposit Summary	(\$129,841.04)	\$0.00	\$0.00	(\$2,100.00)	(\$131,941.04)

North Green Municipal Utility District's Annual Water Usage By Month

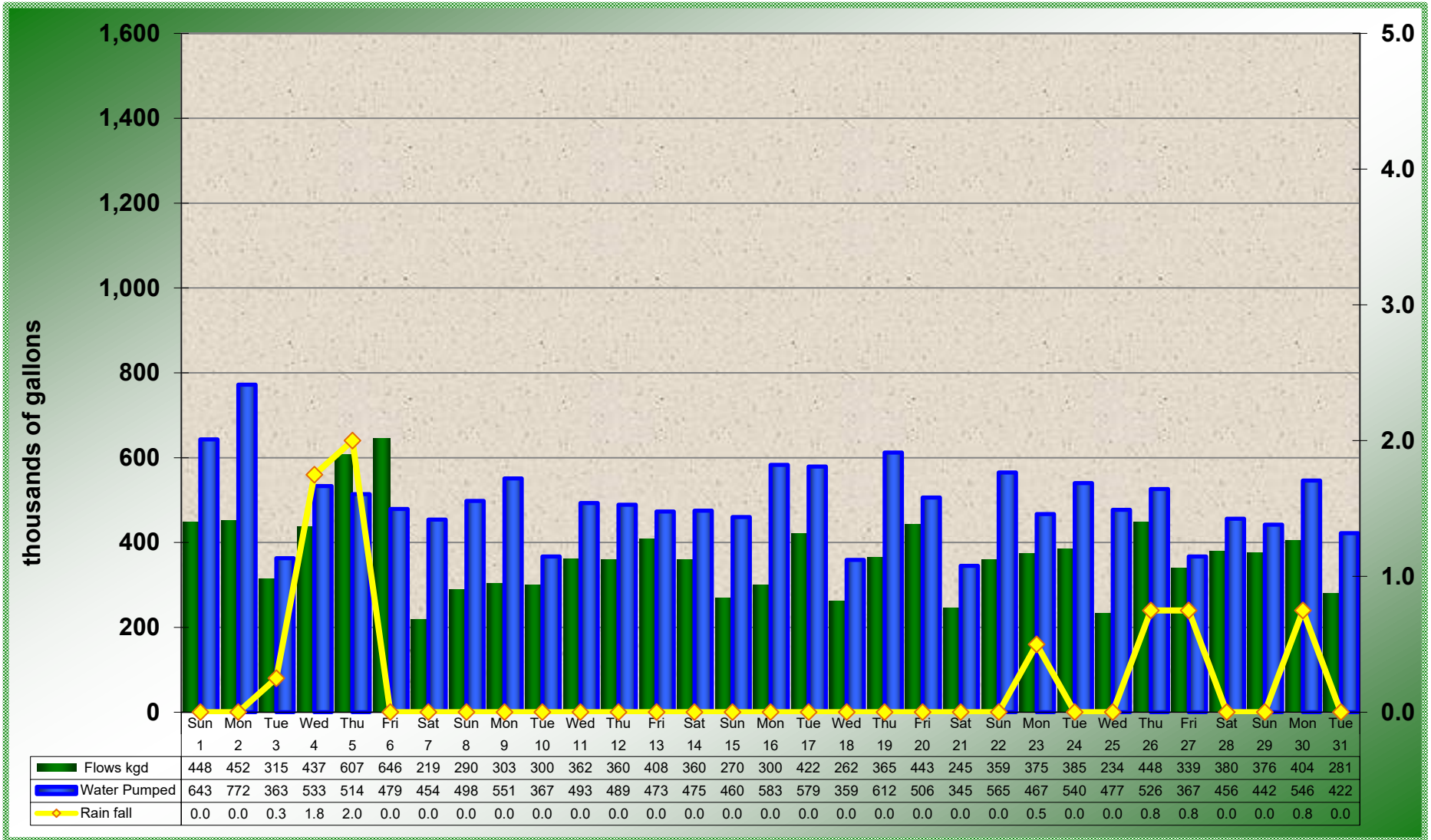
Year	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL:	Monthly average:	Median	Highest month	Lowest month	Indoor usage	Outdoor usage	% Outdoor usage
2023	13,429	12,796	13,616	13,405	14,872	15,348	16,813	18,244	17,012	15,356			150,891	15,089	15,110	18,244	12,796	127,960	22,931	15.2%
2022	13,057	12,127	14,098	13,847	14,809	15,247	15,118	15,683	14,480	15,529	13,791	14,812	172,598	14,383	14,645	15,683	12,127	145,524	27,074	15.7%
2021	13,742	12,829	13,708	13,447	14,193	14,202	15,229	14,617	13,877	13,954	13,544	13,683	167,025	13,919	13,810	15,229	12,829	153,948	13,077	7.8%
2020	13,111	11,764	12,723	12,701	13,320	13,818	14,354	14,230	14,213	14,278	13,569	13,958	162,039	13,503	13,694	14,354	11,764	141,168	20,871	12.9%
2019	13,280	12,123	13,276	12,773	13,010	13,057	13,189	14,248	13,344	13,491	13,047	12,673	157,511	13,126	13,123	14,248	12,123	145,476	12,035	7.6%
2018	13,873	13,735	14,402	13,235	15,784	13,940	14,795	14,364	12,715	12,892	12,345	12,685	164,765	13,730	13,804	15,784	12,345	148,140	16,625	10.1%
2017	14,206	12,315	14,504	13,551	12,806	12,976	13,463	13,548	13,215	13,791	13,081	14,448	161,904	13,492	13,506	14,504	12,315	147,780	14,124	8.7%

average through the years **10.5%**



NORTH GREEN MUD WWTP FLOW / WATER PUMPED / RAIN HISTORY

October 2023



	<u>Water pumped</u>	<u>WWTP flows -kgd</u>	<u>rain</u>
total:	15,356	11,395	6.8
average:	495	368	0.2
median:	489	362	0.0

	<u>Water pumped</u>	<u>WWTP flows -kgd</u>	<u>rain</u>
maximum:	772	646	2.0
minimum:	345	219	0.0

North Green MUD
CHARGED OFF ACCOUNTS
October 2023

WRITE OFF ACCOUNTS

Account Number Balance Written Off

No Wirte Offs

TOTAL: \$0.00

*** ACCOUNTS SENT TO COLLECTIONS UNLIMITED***

Account Number Balance of Account

NO ACCOUNTS SENT TO COLLECTIONS

TOTAL: \$0.00